WHAT IS CLAIMED IS:

1. A method for inhibiting the action of TNF for treating neurological conditions in a human by administering a TNF antagonist for reducing the inflammation of neuronal tissue of said human, or for modulating the immune response affecting neuronal tissue of said human, comprising the step of:

a) administering a therapeutically effective dosage level to said human of said TNF antagonist selected from the group consisting of etanercept and infliximab for reducing the inflammation of neuronal tissue of said human, or for modulating the immune response affecting neuronal tissue of said human.

2. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said TNF antagonist is performed subcutaneously, intravenously, intrathecally, or intramuscularly.

3. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating neurological diseases and disorders.

4. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating neurological traumas and injuries.

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5. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating acute spinal cord injury.

6. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating herniated discs.

7. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating spinal cord compression.

8. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating carpal tunnel syndrome (non-RA type).

9. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating pituitary adenoma.

10. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating primary or metastatic brain tumors.

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11. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating chronic pain syndrome due to metastatic tumor.

12. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating increased intracranial pressure.

13. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating central nervous system lesions.

14. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating autoimmune neurological diseases.

15. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating multiple sclerosis.

16. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said dosage level is for treating ~~inflammatory CNS diseases such as~~ subacute sclerosing panencephalitis.

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17. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said etanercept is performed subcutaneously in said human wherein said dosage level is in the range of 10mg to 50mg for acute or chronic regimens.

18. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said etanercept is performed subcutaneously in said human wherein said dosage level is 25mg for acute or chronic regimens.

19. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said etanercept is performed intramuscularly in said human wherein said dosage level is in the range of 25mg to 100mg.

20. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said etanercept is performed intravenously in said human wherein said dosage level produces a serum concentration in the range of 0.5 mg/Ml to 50mg/ml.

21. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said etanercept is performed intravenously by infusion in said human wherein said dosage level produces a serum concentration of 10mg/ml.

22. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said etanercept is performed intrathecally in said human wherein said dosage level is in the range of 1mg to 50mg.

23. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said infliximab is performed subcutaneously in said human wherein said dosage level is in the range of 0.1mg/kg to 2.5mg/kg.

24. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said infliximab is performed intramuscularly in said human wherein said dosage level is in the range of 0.1mg/kg to 2.5mg/kg for acute or chronic regimens.

25. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said infliximab is performed intravenously in said human wherein said dosage level is in the range of 2.5mg/kg to 20 mg/kg.

26. A method for inhibiting the action of TNF in accordance with Claim 1, wherein the step of administering said infliximab is performed intrathecally in said human wherein said dosage level is in the range of 0.05mg/kg to 1mg/kg.

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27. A method for inhibiting the action of TNF for treating neurological conditions in a human by administering a TNF antagonist for reducing the inflammation of neuronal tissue of said human, or for modulating the immune response affecting neuronal tissue of said human, comprising the steps of:

a) administering a therapeutically effective dosage level to said human of said TNF antagonist selected from the group consisting of etanercept and infliximab for reducing the inflammation of neuronal tissue of said human, or for modulating the immune response affecting neuronal tissue of said human; and

b) administering a therapeutically effective dosage level to said human of methotrexate or Leflunomide for reducing the inflammation of neuronal tissue of said human, or for modulating the immune response affecting neuronal tissue of said human.

28. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the steps of administering are performed subcutaneously, intravenously, intrathecally, orally or intramuscularly.

29. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the steps of administering said dosage levels are for treating neurological diseases and disorders.

30. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the steps of administering said dosage levels are for treating primary or metastatic brain tumors.

31. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the steps of administering said dosage levels are for treating chronic pain syndrome due to metastatic tumor.

32. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the steps of administering said dosage levels are for treating central nervous system lesions.

33. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the steps of administering said dosage levels are for treating autoimmune neurological diseases.

34. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the steps of administering said dosage levels are for treating multiple sclerosis.

35. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the steps of administering said dosage levels are for treating ~~inflammatory CNS diseases such as~~ subacute sclerosing panencephalitis.

36. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said etanercept is performed subcutaneously in said human wherein said dosage level is in the range of 10mg to 50mg for acute or chronic regimens.

37. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said etanercept is performed subcutaneously in said human wherein said dosage level is 25mg for acute or chronic regimens.

38. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said etanercept is performed intramuscularly in said human wherein said dosage level is in the range of 25mg to 100mg.

39. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said etanercept is performed intravenously in said human wherein said dosage level produces a serum concentration in the range of 0.5mg/ml to 50mg/ml.

40. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said etanercept is performed intravenously by infusion in said human wherein said dosage level produces a serum concentration of 10mg/ml.

41. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said etanercept is performed intrathecally in said human wherein said dosage level is in the range of 1mg to 50mg.

42. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said infliximab is performed subcutaneously in said human wherein said dosage level is in the range of 0.1mg/kg to 2.5mg/kg.

43. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said infliximab is performed intramuscularly in said human wherein said dosage level is in the range of 0.1mg/1kg to 2.5mg/kg for acute or chronic regimens.

44. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said infliximab is performed intravenously in said human wherein said dosage level is in the range of 2.5mg/kg to 20mg/kg.

45. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said infliximab is performed intrathecally in said human wherein said dosage level is in the range of 0.05mg/kg to 1mg/kg.

46. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said methotrexate is performed orally or intramuscularly in said human wherein said dosage level is in the range of 2.5mg to 25mg given from once weekly to once monthly.

47. A method for inhibiting the action of TNF in accordance with Claim 27, wherein the step of administering said Leflunomide is performed orally in said human wherein said dosage level is in the range of 10mg to 100mg per day for the first 3 days, and 5mg to 20mg per day thereafter.

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